

Metabolic Processes Review

What Would Happen To ATP production If...

1. The proteins in the inner mitochondrial membrane were heated to 60°C?
2. ATP Synthase was damaged and no longer allowed protons to flow through it?
3. Pyruvate decarboxylase was denatured, and no longer cleaved a carbon off of pyruvate?
4. Oxygen was no longer able to bind to the cytochrome complex?
5. FADH₂ was able to give electrons to NADH Dehydrogenase instead of Ubiquinone?
6. NADH could only give electrons to Ubiquinone instead of the NADH Dehydrogenase Complex?
7. Phosphofructokinase was removed from the cell.